

GERMAN PATENT OFFICE

German Patent Office · Zweibrückenstraße 12 · 8000 Munich 2

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Patent Search Report

The printed publications indicated on the attached sheets have been found
at the request of

on in accordance with § 43 Patents Act § 7 Utility Model Law
The search was conducted in the following patent classes:

Class/Group	Examiner	Patent Division
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The search conducted by the German Patent Office is based on the patent literature of the following countries and organizations:

Germany (DE, DD), Austria, Switzerland, France, Great Britain, USA, Japan (Abstracts), USSR (Abstracts),
European Patent Office, WIPO.

The following data banks were also searched:

Enclosures:

Sheets 1 and 2 showing results of search
_____ publication(s) or copy (copies)

Patent Division 11
Patent Search Office

See Notice on back of sheet

NOTICE

No guarantee is made as to the completeness of the search (§ 43, paragraph 7, Patents Act and § 7, paragraph 2, Utility Model Law in connection with § 43, paragraph 7, Patents Act).

The patent materials listed here may be inspected in the Reading Room of the German Patent Office, Zweibrückenstraße 12, 8000 Munich 2 or Gitschner Str. 97, 1000 Berlin 61; German patents, Auslegeschriften and Offenlegungsschriften can also be inspected in the patent reading rooms. A listing of these inspection locations can be obtained by request from the German Patent Office as well as from some private firms.

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Date: _____ Page: _____

Sheet 1

Results of patent search according to § 43 Patents Act

Applicant/Owner please indicate file numbers on all correspondence; also indicate purpose when making payment. See Instructions on ~~b~~ sheet.

Mailing address, Winzererstraße 47 a/Saarstraße 5: Zweibrückenstraße 5-7 (Breiterhof): phone (089)2195-0 Banks:
receiving office Trademark Division, Marks Copyrights Division, fax (089)2195-22-21 Postal Giro ~~0~~ Munich
night drop box Utility Model Divisions, Arbitral Body for Employee Inventions telex 5 23 534 79191-803 (L T ~~0~~ 0 100 80)
only Utility Model Office, Zweibrückenstraße 12 (main building): Landeszentrale ~~n~~ Munich
Zweibrückenstraße 12 Patent Divisions 18,24,41-45 all other offices 700 010 54 ~~L~~ ~~0~~ 00 000 00)

PAYMENT INSTRUCTIONS

1. Fees may be paid by:
 - a) transfer to one of the payment office accounts indicated on the reverse,
 - b) remitting or sending payment in German Patent Office revenue stamps or other form of currency.
 - c) Debit order of appropriate debiting account according to Notice No. 2/90 of the President of the German Patent Office of December 15, 1989 (Bl.f.PMZ 1990, page 1).
2. Every payment must include the complete file number, exact name of the applicant (owner) and description of fee (e.g. application fee, ... annual fee) in legible form.
3. In accordance with § 3 of the Order Concerning Payment of Fees to the German Patent Office and Federal Patent Court of September 5, 1968 (Gazette I, page 1000), the date of payment is
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 - b) date of receipt when submitting or sending checks, postal money orders or postal transfer orders if redeemed upon receipt;
 - c) when transferring to postal giro account or when paying by postal money order, the date stamped by the postal giro office having the account of the payer, insofar as this postal giro office is within the jurisdiction of this Order;
 - d) when paying by payment card or postal order, the date stamped by the post office, insofar as this post office is within the jurisdiction of this Order;
 - e) when paying from a different monetary zone
 - aa) by transfer to the postal giro account, the date stamped by the postal giro office, insofar as this postal giro office is within the jurisdiction of this Order,
 - bb) by postal order, the date stamped by a post office within the jurisdiction of this Order;
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Utility Model Branch

The applicant of a patent application filed after January 1, 1987 effective in the Federal Republic of Germany can file a Utility Model Application directed to the same subject matter and simultaneously claim the date of application of the prior patent application (§ 5 Utility Model Law branch). This can be done before the expiration of 2 months after the end of the month in which the outcome of the patent application is settled by way of final rejection, voluntary withdrawal or fictitious withdrawal, conclusion of appeal or failure to respond before expiration of deadline for appeal. Detailed information concerning the requirements of a Utility Model Application, including the branch, may be obtained from the Leaflet for Utility Model Applicants available at no cost through the Patent Office and Patent Reading Rooms.

Key

Column 1: Category

X: Publications affecting only novelty or level of invention

Y: Publications affecting level of invention in combination with other publications

A: General prior art, technical background

O: Disclosures in non-written form, e.g. a public address made before the application or priority date and reprinted in a subsequent publication

P: Publications published in the priority interval

T: Subsequent, noninterfering publications which relate to the theory of the applied for invention and may be useful for a better understanding of the applied for invention or which show that the ideas or factual content upon which the applied for invention is based could be false

E: Previous applications according to § 3, paragraph 2, Patents Act (in searches according to § 43 Patents Act); previous patent applications or previous utility models according to § 15 Utility Model Law (in searches according to § 7 Utility Model Law)

D: Publications already mentioned in the patent application

L: Publications mentioned for special reasons, e.g. for the date of publication of a reference or in case of doubtful priority.

Only categories "A" and "E" are indicated in the search procedure according to § 7 Utility Model Law.

Column 2: Researched Publications/ Explanation

Veröff.: Publication date of a publication in the priority interval

nr: Not researched because a part of generally known prior art, or cannot be researched

=: Publications originating from the same parent application ("patent families") or publications referred to in reports or abstracts.

"-": Nothing found

Column 3: Pertinent claims

This shows the claims associated with the relevant items mentioned in column 2.

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Applicant Copy
Sheet 2
Results of Patent Search

File Number:

Explanation of Researched Publications:

1	2	3
Category	Researched Publications/Explanation	concerns claim(s)

See Key on back of sheet